



APPENDIX

Changes to Abstract:

The following is a marked-up version of the amended Abstract:

~~To provide~~ The invention provides a data output system which can control a printer in accordance with the position of a user without providing a mobile terminal and the printer with special devices, which can reduce the processing load on the mobile terminal, which can ensure the convenience of the user when using the printer, and which avoids inconvenience as a result of incorrect settings by the user. ~~A~~ The invention can include a print control terminal 100 that obtains mobile terminal position information from a relay station 220. When the distance between the mobile terminal position specified by the obtained mobile terminal position information and the printer position specified by printer position information from a storage device 42 is less than a predetermined value ~~A~~, a print command and corresponding print data are transmitted to a printer PR in response to a request from a mobile terminal 200.

Changes to Specification:

A Substitute Specification is attached in accordance with 37 C.F.R. 1.125(b)(2).

Changes to Claims:

The following is a marked-up version of the amended claims:

1. (Amended) A data output system for establishing a connection between an output terminal ~~for outputting that outputs~~ data and a position management terminal ~~for generating that generates~~ mobile terminal position information for specifying the position of a mobile terminal on the basis of a communication state between the mobile terminal and a base station so that the data output system can communicate with the output terminal and the position management terminal, and ~~for the data output system~~ outputting data requested, by a user of the mobile terminal, ~~to be output~~ using the output terminal,

~~wherein~~ the mobile terminal position information ~~is being~~ obtained from the position management terminal, and

data output control of the output terminal ~~is being performed based on the basis of the~~ a positional relationship between the mobile terminal position specified by the obtained mobile terminal position information and ~~the an~~ output terminal position specified by output terminal position information for specifying the position of the output terminal.

2. (Amended) A data output system for establishing a connection between an output terminal ~~for outputting that outputs~~ data and an output control terminal ~~for performing that performs~~ data output control of the output terminal ~~so that they can communicate for communication~~ with each other, for establishing a connection between the output control terminal and a position management terminal ~~for generating that generates~~ mobile terminal position information for specifying the position of a mobile terminal on the basis of a communication state between the mobile terminal and a base station ~~so that they can communicate for communication~~ with each other, and for outputting data requested by a user of the mobile terminal, ~~to be output~~ using the output terminal,

~~wherein~~ the output control terminal ~~includes~~ including:

a storage means for storing device that stores output terminal position information for specifying the position of the output terminal; and

a position information obtaining means for obtaining device that obtains the mobile terminal position information from the position management terminal; and

the data output control of the output terminal being performed based on the basis of the a positional relationship between the mobile terminal position specified by the mobile terminal position information obtained by the position information obtaining ~~means device~~ and the output terminal position specified by the output terminal position information in the storage ~~means device~~.

3. (Amended) A data output system according to Claim 2, ~~wherein~~ the output control terminal ~~transmits-transmitting~~ a data output request to the output terminal when the mobile terminal position is within a predetermined range based on the ~~basis of the~~ output terminal position.

4. (Amended) A data output system according to Claim 2, ~~wherein~~ the output control terminal ~~transmits-transmitting~~ a data output request to the output terminal when the mobile terminal position is within a predetermined range based on the ~~basis of the~~ output terminal position and when a predetermined period of time has passed since the mobile terminal position became within the predetermined range.

5. (Amended) A data output system according to ~~any one of Claims 2 to 4~~ Claim 2, ~~wherein~~ the data output system ~~establishes-establishing~~ a connection between the output control terminal and the mobile terminal ~~so that they can communicate for communication~~ with each other,

the output control terminal ~~includes-including~~ a control command storage ~~means for storing-device that stores~~ a specific control command for controlling a specific function of the output terminal,

when the mobile terminal position is within a predetermined range based on the ~~basis of the~~ output terminal position, the output control terminal transmits a list from which the specific control command is selectable to the mobile terminal, and

when the output control terminal receives the selection of the specific control command, the output control terminal transmits the specific control command in the control command storage ~~meansdevice~~ to the output terminal.

6. (Amended) A data output system according to Claim 5, ~~wherein~~ the output control terminal ~~transmits-transmitting~~ the list from which the specific control command is

selectable to the mobile terminal when ~~the~~a distance between the output terminal position and the mobile terminal position is less than or equal to a predetermined value.

7. (Amended) A data output system according to ~~one of Claims 5 and 6~~Claim 5, wherein, when the output control terminal receives a registration request for registering the output terminal from the mobile terminal, the output control terminal transmits a transmission request for transmitting ~~the~~a control command list to the output terminal corresponding to the registration request,

when the output control terminal receives the control command list in response to the transmission of the transmission request, the output control terminal registers the mobile terminal position information obtained by the position information obtaining ~~means~~device as the output terminal position information in the storage ~~means~~device, and registers the received control command list in the control command storage ~~means~~device so that the control command list corresponds to the output terminal position information, and

when the output terminal receives the transmission request for transmitting the control command list, the output terminal transmits the control command list, including the specific control command, to the output control terminal.

8. (Amended) A data output system according to ~~any one of Claims 5 to 7~~claim 5, ~~wherein~~ the output control terminal ~~transmits~~transmitting a response request to the output terminal,

when the output control terminal receives no response in response to the output request, the output control terminal reads from the storage ~~means~~device the output terminal position information for the output terminal which ~~gives~~transmits no response,

based on the ~~basis of the~~ mobile terminal position information obtained by the position information obtaining ~~means~~device, the output control terminal searches for the

mobile terminal which is within a predetermined range based on the ~~basis of the~~ output terminal position specified by the read output terminal position information,

the output control terminal transmits to the detected mobile terminal a presence confirmation request for confirming the presence of the output terminal which ~~gives~~ transmits no response, and

when the output control terminal receives no presence confirmation in response to the presence confirmation request, the output control terminal clears the registration of the output terminal which ~~gives~~transmits no response.

9. (Amended) A data output system according to ~~any one of Claims 2 to 8~~claim 2, ~~wherein the output terminal is being~~ a printer.

10. (Amended) A data output system according to ~~any one of Claims 2 to 8~~claim 2, ~~wherein the output terminal is being~~ a projector.

11. (Amended) An output control terminal for establishing a connection between a position management terminal and an output terminal in a data output system as set forth in Claim 2 ~~so as to communicate~~ for communication with the position management terminal and the output terminal, comprising:

a storage means for storing device that stores output terminal position information for specifying the position of the output terminal; and

a position information obtaining means for obtaining device that obtains mobile terminal position information from the position management terminal;

~~wherein~~ data output control of the output terminal ~~is being~~ performed on the basis of the positional relationship between the mobile terminal position specified by the mobile terminal position information obtained by the position information obtaining ~~means~~device and the output terminal position specified by the output terminal position information in the storage ~~means~~device.

12. (Amended) A program to be applied to output control terminal ~~which is made up of the computer as set forth as recited in Claim 11,~~
_____the program making a computer execute processing in which
_____data output control is performed based on the ~~basis of the~~ positional relationship between the mobile terminal position specified by the mobile terminal position information obtained by the position information obtaining ~~means~~device and the output terminal position specified by the output terminal position information in the storage ~~means~~device.

13. (Amended) A data output method, comprising: for
_____establishing a connection between an output terminal ~~for outputting that~~
outputs data and a position management terminal ~~for generating that~~ generates mobile terminal position information for specifying the position of a mobile terminal based on the
~~basis of a~~ communication state between the mobile terminal and a base station so that the data output system can communicate with the output terminal and the position management terminal, and ~~for~~
_____outputting data requested, by a user of the mobile terminal, ~~to be output~~ using the output terminal,

~~wherein~~ the mobile terminal position information ~~is being~~ obtained from the position management terminal, and

data output control of the output terminal ~~is being~~ performed based on the
~~basis of the a~~ positional relationship between the mobile terminal position specified by the obtained mobile terminal position information and ~~the an~~ output terminal position specified by output terminal position information for specifying the position of the output terminal.

14. (Amended) A data output method, comprising: for

_____ establishing a connection between an output terminal ~~for outputting that~~
~~outputs~~ data and an output control terminal ~~for performing that performs~~ data output control
of the output terminal ~~so that they can communicate for communication~~ with each other, for
establishing a connection between the output control terminal and a position management
terminal for generating mobile terminal position information for specifying the position of a
mobile terminal on the basis of a communication state between the mobile terminal and a
base station so that they can communicate with each other, and ~~for~~
_____ outputting data requested; by a user of the mobile terminal, ~~to be output~~ using
the output terminal,

~~wherein~~ the output control terminal ~~includes including~~ the step of:

storing output terminal position information for specifying the position
of the output terminal; and

obtaining the mobile terminal position information from the position
management terminal; and

the data output control of the output terminal being performed based on ~~the~~
~~basis of~~ the positional relationship between the mobile terminal position specified by the
obtained mobile terminal position information and the output terminal position specified by
the stored output terminal position information.

15. (Amended) A data output method according to Claim 14, ~~wherein~~ the output
control terminal ~~transmits transmitting~~ a data output request to the output terminal when the
mobile terminal position is within a predetermined range based on the ~~basis of the~~ output
terminal position.

16. (Amended) A data output system according to Claim 14, ~~wherein~~ the output
control terminal ~~transmits transmitting~~ a data output request to the output terminal when the
mobile terminal position is within a predetermined range based on the ~~basis of the~~ output

terminal position and when a predetermined period of time has passed since the mobile terminal position became within the predetermined range.

17. (Amended) A data output method according to ~~any one of Claims 14 to 16~~claim 14, wherein the data output method ~~establishes~~establishing a connection between the output control terminal and the mobile terminal so ~~that they can communicate for~~communication with each other,

the output control terminal stores a specific control command for controlling a specific function of the output terminal, and

when the mobile terminal position is within a predetermined range based on ~~the basis of~~ the output terminal position, the output control terminal transmits a list from which the specific control command is selectable to the mobile terminal, and

when the output control terminal receives the selection of the specific control command, the output control terminal transmits the stored specific control command to the output terminal.

18. (Amended) A data output method according to Claim 17, ~~wherein~~ the output control terminal ~~transmits~~transmitting the list from which the specific control command is selectable to the mobile terminal when ~~the a~~ distance between the output terminal position and the mobile terminal position is less than or equal to a predetermined value.

19. (Amended) A data output method according to ~~one of Claims 17 and 18~~claim 17, wherein, when the output control terminal receives a registration request for registering the output terminal from the mobile terminal, the output control terminal transmits a transmission request for transmitting ~~the a~~ control command list to the output terminal corresponding to the registration request,

when the output control terminal receives the control command list in response to the transmission of the transmission request, the output control terminal registers

the obtained mobile terminal position information as the output terminal position information, and registers the received control command list so that the control command list corresponds to the output terminal position information, and

when the output terminal receives the transmission request for transmitting the control command list, the output terminal transmits the control command list including the specific control command to the output control terminal.

20. (Amended) A data output method according to ~~any one of Claims 17 to 19~~claim 17, wherein the output control terminal ~~transmits~~transmitting a response request to the output terminal,

when the output control terminal receives no response in response to the output request, the output control terminal reads the stored output terminal position information for the output terminal which ~~gives~~transmits no response,

based on the ~~basis of the~~ obtained mobile terminal position information, the output control terminal searches for the mobile terminal which is within a predetermined range based on the ~~basis of the~~ output terminal position specified by the read output terminal position information,

the output control terminal transmits to the detected mobile terminal a presence confirmation request for confirming the presence of the output terminal which ~~gives~~transmits no response, and

when the output control terminal receives no presence confirmation in response to the presence confirmation request, the output control terminal clears the registration of the output terminal which ~~gives~~transmits no response.